

AMENDMENTS TO THE CLAIMS

1. (Original) In a system for remotely managing a plurality of network devices wherein each device is managed with a respective unsigned device applet launched from its device, an apparatus comprising a plurality of unsigned applets, including a device applet, operating within a same shared environment, the plurality of unsigned applets comprising:

a recipient applet comprising a model object of a non-graphical user interface class and a model adapter object of a graphical user interface class, the model adapter object being for unpacking information represented as one or more graphical user interface objects into a form usable by the model object;

a transmitting applet comprising an initialization controller for obtaining a reference to the recipient applet and for obtaining a reference to the model adapter object, and a data handler comprising access to the reference to the model adapter object, the data handler representing information as one or more graphical user interface class objects and providing access to the one or more graphical user interface class objects to the model adapter object using the reference to the model adapter object; and

the transmitting applet and the recipient applet being launched from different devices and being communicatively coupled within the shared environment.

2. (Original) The apparatus of claim 1 wherein the shared environment is a webpage.

3. (Original) The apparatus of claim 1 wherein the transmitting applet is a device applet, and the recipient applet is a central management applet.

4. (Original) The apparatus of claim 1 wherein the model adapter object is of the container class.

5. (Original) The apparatus of claim 4 wherein the model adapter object comprises an overloaded method for extracting the information in the graphical user interface object.

6. (Original) A system for remotely managing a plurality of network devices, each network device comprising a device server, the system comprising:

a client computer having a processor, a memory, a display, a communication device and a browser;

the browser being communicatively coupled via the communication device with the device servers;

the browser being for receiving a webpage from a launch device, the webpage comprising an unsigned central management applet and a request for an unsigned device applet from each of a plurality of device servers;

the browser being for requesting the device applets from the device servers; and

each device applet being capable of receiving device information directly from its respective device server, and being communicatively coupled to the central management applet within the same webpage.

7. (Original) The system of claim 6 wherein each device applet comprises a view object responsible for graphically displaying device information.

8. (Original) The system of claim 6 wherein the central management applet comprises a view object for displaying a graphical representation of information.

9. (Original) The system of claim 6 wherein each device applet is a transmitting applet.

10. (Original) The system of claim 6 wherein the central management applet is a recipient applet.

11. (Currently Amended) The system of claim 6 wherein the devices are ~~fibre-channel~~ Fibre Channel switches.

12. (Original) A method for remotely managing a plurality of network devices using a plurality of unsigned applets launched from different network devices, the plurality of unsigned applets including a device applet, wherein each device is managed with its respective device applet launched from its device, and the unsigned applets are communicatively coupled within the same shared environment, the method comprising:

- obtaining references to the applets currently present in the shared environment;
- testing the references to find a reference to a recipient applet in the plurality of unsigned applets;
- responsive to finding the reference to the recipient applet, obtaining a reference to a desired model adapter object in the recipient applet;
- representing device information as a graphical user interface object; and
- providing access to the graphical user interface object to the model adapter object in the recipient applet using the reference to the model adapter object.

13. (Original) A method for remotely managing a plurality of network devices using a plurality of unsigned applets launched from different network devices, the plurality of unsigned applets including a device applet, wherein each device is managed with its respective device applet launched from its device, and the unsigned applets are communicatively coupled within the same shared environment, the method comprising:

- unpacking device information represented as a graphical user interface object to a form usable by a model object of a non-graphical user interface class; and
- adding the unpacked device information to the model object.

14. (Original) A method for remotely managing a plurality of network devices in a system comprising a client computer having a processor, a memory, a display, a communication port and a browser, the browser being communicatively coupled with a plurality of device servers, each device server being located on a network device, the method comprising:

requesting from one of the devices a webpage having an unsigned central management applet and a request for an unsigned device applet from each of the device servers;

executing the requests for each unsigned device applet;
each device applet receiving device information directly from its respective device server; and

each device applet communicating its device information to the central management applet within the same webpage.

15. (Original) A computer usable medium comprising a device management system that causes generation of a plurality of unsigned applets, including a device applet, being launched from different devices and being communicatively coupled within a shared environment wherein each device is managed with its own device applet launched from its device, the device management system comprising:

a recipient applet comprising a model object of a non-graphical user interface class and a model adapter object of a graphical user interface class, the model adapter object being for unpacking information represented as one or more graphical user interface objects into a form usable by the model object; and

a transmitting applet comprising an initialization controller for obtaining a reference to the recipient applet and for obtaining a reference to the model adapter object, and a data handler comprising access to the reference to the model adapter object, the data handler representing information as one or more graphical user interface class objects and providing access to the one or more graphical user interface class objects to the model adapter object using the reference to the model adapter object.

16. (Original) A computer usable medium whose contents cause a computer to remotely manage a plurality of network devices using a plurality of unsigned applets launched from different devices, the plurality of unsigned applets including a device applet, wherein each device is managed with its respective device applet launched from its device and the applets are communicatively coupled within the same shared environment, the method comprising:

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obtaining references to the applets currently present in the shared environment;

testing the references to find a reference to a recipient applet in the plurality of unsigned applets;

responsive to finding the reference to the recipient applet, obtaining a reference to a desired model adapter object in the recipient applet;

representing device information as a graphical user interface object; and

providing access to the graphical user interface object to the model adapter object in the recipient applet using the reference to the model adapter object.

17. (Original) A computer usable medium whose contents cause a computer to remotely manage a plurality of network devices using a plurality of unsigned applets launched from different network devices, the plurality of unsigned applets including a device applet, wherein each device is managed with its respective device applet launched from a server on its device and the unsigned applets are communicatively coupled within the same shared environment, by:

unpacking device information represented as a graphical user interface object to a form usable by a model object of a non-graphical user interface class; and

adding the unpacked device information to the model object.

18. (Original) In a system comprising a client computer having a processor, a memory, a display, a communication port and a browser, the browser being communicatively coupled with a plurality of device servers, each device server being located on a network device, a computer usable medium whose contents cause a computer to remotely manage a plurality of network devices in a system by:

requesting from one of the devices a webpage having an unsigned central management applet and a request for an unsigned device applet from each of the device servers;

executing the requests for each unsigned device applet;

each device applet receiving device information directly from its respective device server; and

each device applet communicating its device information to the central management applet within the same webpage.

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